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Agricultural Memorandum No. 260

Check of Pregnancy Toxaemia Predictions

Ag. Memos. 214 and 217 discussed the method, which is now checked against data for 1965/66 and 1967/68, using Wrexham temperatures plus Wrexham or Ruthin rainfall.

The results were, quoting values of x_1y_1, x_2y_2 and xy.

	Wrexham		Ruthin	
	1965/66	1967/68	1965/66	1967/68
End of January	25	2.75	15	1.35
End of February	16	3.8	8.1	3.8
End of March	5.9	1.8	2.9	1.8
Prediction	Average	Low	Below Average	Low
Actual incidence	Below Average	Below Average	Below Average	Below Average

The position at the end of January & February in 1966 was misleading due to a wet December and a cold January, but the full season assessment was not misleading. The 1968 position was clearer.

Ag. Memo. 217 gave a numerical relationship for number of cases per 20,000 ewes (V)

as $V = 13.5\,xy - \frac{v}{9} + 45$

where v is the incidence the previous year.

In 1966 we have for Ruthin

$xy = 2.9$

$v = 128$ therefore $V = 70$, the actual figure was 63.

Figures for 1966/67 are not available.

Any comments or criticism on this memorandum should be sent to the Author.

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